Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/07/2020 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/04/2020 09:02 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125013	0	2.60	125075	2.57
Blue	F	SSC	125000	125730	0	1.81	126483	1.76
Blue	E	FITC	14171	13827	-3	3.41	302	21.38
Blue	D	PE	27630	27074	-3	2.75	591	15.89
Blue	B	PerCP-Cy5-5	41869	41985	0	4.24	1130	21.79
Blue	A	PE-Cy7	30581	31030	1	6.80	588	43.63
Red	C	APC	47208	47009	-1	2.36	1666	11.90
Red	A	APC-Cy7	33493	32705	-3	2.26	867	11.64
Violet	B	V450	7125	6887	-4	3.77	388	13.05
Violet	A	V500	27926	27123	-3	3.52	634	9.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20224	6.09	651	-5	N/A	N/A	Pass
Blue	F	SSC	57320	1.62	587	1	N/A	N/A	Pass
Blue	E	FITC	54	68.43	546	-2	0.0176	165	Pass
Blue	D	PE	122	52.83	554	0	0.1344	243	Pass
Blue	B	PerCP-Cy5-5	206	52.45	666	3	0.0078	31	Pass
Blue	A	PE-Cy7	106	109.24	715	4	0.0096	15	Pass
Red	C	APC	397	25.38	589	-3	0.0259	219	Pass
Red	A	APC-Cy7	192	28.55	565	-3	0.0060	1285	Pass
Violet	B	V450	59	57.22	448	-9	0.0441	1487	Pass
Violet	A	V500	95	32.23	462	-9	0.0253	760	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-32.07	1.04
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	17.74	13.60 - 20.40	N/A	N/A	29.30	29.80	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.72

Threshold

Threshold (FSC): 14856

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments